

Grade 4 Reading Comprehension Challenge

Worksheet Set 006

Grade 4 · Reading Comprehension · Challenge

Name: _____ Date: _____

Read the passage carefully. Then answer all 8 questions using details from the text.

Mapping Heat on the Playground

On Monday, Lena joined a project at the school playground to map surface temperatures.

The team labeled 6 observation points so every result could be traced to its source.

They used an infrared thermometer and recorded the units beside each measurement.

Two students checked every entry before the group compared the results.

Their first comparison showed that dark asphalt was warmer than shaded grass.

The group kept an unexpected result in the table and repeated that measurement instead of discarding it.

Based on the evidence, Lena proposed that the team repeat readings at noon.

The team saved its method, dates, and raw observations so another group could repeat the investigation.

Questions

Return to the passage and write a short, text-based answer for each item.

1. In "Mapping Heat on the Playground", where did Lena work on the project?

2. In "Mapping Heat on the Playground", what was the project's goal?

3. In "Mapping Heat on the Playground", how many observation points were labeled?

4. In "Mapping Heat on the Playground", which tool did the team use?

5. In "Mapping Heat on the Playground", how did the students reduce recording errors?

6. In "Mapping Heat on the Playground", what did the first comparison show?

7. In "Mapping Heat on the Playground", what next step did Lena propose?

8. In "Mapping Heat on the Playground", why did the team save its method and raw observations?

Answer Key

Each answer below is supported by a sentence in the passage.

1. school playground	2. map surface temperatures
3. 6	4. an infrared thermometer
5. two students checked every entry	6. dark asphalt was warmer than shaded grass
7. repeat readings at noon	8. so another group could repeat the investigation